

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"5314478".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/20 18:31
S1	1335	((membrane or matrix or scaffold) with collagen) and cartilage and bone and (chondroblast or chondrocyte)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 15:48
S2	726	((membrane or matrix or scaffold) with collagen) and cartilage and bone and (chondroblast or chondrocyte) and fibronectin	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/22 10:49
S3	478	((membrane or matrix or scaffold) with collagen) and cartilage and bone and (chondroblast or chondrocyte) and fibronectin and (osteoblast or osteocyte)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/22 10:50
S4	49	((((membrane or matrix or scaffold) with collagen) with (cartilage and bone)) and (chondroblast or chondrocyte) and fibronectin and (osteoblast or osteocyte)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/22 10:51
S5	195	((membrane or matrix or scaffold) with collagen) and ((cartilage or bone) with (implant or prosthesis)) and (chondroblast or chondrocyte) and fibronectin and (osteoblast or osteocyte)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/22 10:52
S6	153	((membrane or matrix or scaffold) with collagen) and ((cartilage) with (implant or prosthesis)) and (chondroblast or chondrocyte) and fibronectin and (osteoblast or osteocyte)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/22 11:24
S7	2429	606/151	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/22 11:25
S8	74	606/151 and cartilage and bone and collagen	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/22 11:47

## EAST Search History

S9	48	("4385404"   "4393874"   "4553272"   "4559936"   "4642117"   "4642120"   "4649918"   "4681588"   "4789663"   "4846835"   "4877020"   "4904259"   "5019108"   "5041138"   "5062845"   "5067964"   "5092883"   "5116374"   "5158574"   "5201745"   "5206023"   "5206028"   "5246441"   "5258043"   "5259835"   "5306311"   "5354283"   "5403338"   "5423858"   "5445597"   "5470911"   "5544552"   "5567806"   "5569252"   "5658343"   "5713374"   "5736372"   "5769899"   "5837278"   "5853746"   "5891455"   "5902741"   "5932459"   "6007539"   "6080194"   "6132463"   "6143501"   "6187053").PN.	USPAT	OR	ON	2003/07/22 11:27
S10	48	("4385404"   "4393874"   "4553272"   "4559936"   "4642117"   "4642120"   "4649918"   "4681588"   "4789663"   "4846835"   "4877020"   "4904259"   "5019108"   "5041138"   "5062845"   "5067964"   "5092883"   "5116374"   "5158574"   "5201745"   "5206023"   "5206028"   "5246441"   "5258043"   "5259835"   "5306311"   "5354283"   "5403338"   "5423858"   "5445597"   "5470911"   "5544552"   "5567806"   "5569252"   "5658343"   "5713374"   "5736372"   "5769899"   "5837278"   "5853746"   "5891455"   "5902741"   "5932459"   "6007539"   "6080194"   "6132463"   "6143501"   "6187053").PN.	USPAT	OR	ON	2003/07/22 11:36
S11	59	623/14.12	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/22 11:47

## EAST Search History

S12	37	623/14.12 and collagen	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/22 11:53
S13	1	"5314478".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/22 11:54
S14	21	((membrane or matrix or scaffold) with collagen) and cartilage and bone and (chondroblast or chondrocyte) and (RGD with motif)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/22 15:02
S15	7	((membrane or matrix or scaffold) with collagen) and cartilage and bone and (chondroblast or chondrocyte) and (RGD with motif)	USPAT; EPO; JPO	OR	ON	2003/07/22 15:10
S16	16	((membrane or matrix or scaffold) with collagen) and cartilage and bone and (chondroblast or chondrocyte) and (RGD with (motif or sequence))	USPAT; EPO; JPO	OR	ON	2003/07/22 15:11
S17	3	"5656492".pn. or "6187053".pn. or "6306169".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/23 15:41
S18	521	623/11.11	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/04/07 14:55
S19	416	623/23.72	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/04/07 14:55
S20	142	623/23.75	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/04/07 14:56
S21	175	623/23.76	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/04/07 14:56
S22	2711	606/151	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/04/07 14:56
S23	1158	((membrane or matrix or scaffold or sheet) with collagen) and cartilage and (proteoglycan or aggrecan or decorin or biglycan) and (cryoprecipitate or fibronectin or vitronectin or fibrinogen or fibrillin or kistrin or echistatin or willebrand or tenascin or anchorin)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/04/08 10:50

## EAST Search History

S24	1142	((membrane or matrix or scaffold or sheet) with collagen) and cartilage and (proteoglycan or aggrecan or decorin or fibromodulin or biglycan) and (cryoprecipitate or fibronectin or vitronectin or fibrinogen or fibrillin or kistrin or echistatin or willebrand or tenascin or anchorin) and protein	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/04/07 16:14
S25	88	((((membrane or matrix or scaffold or sheet) with collagen) and cartilage and (proteoglycan or aggrecan or decorin or fibromodulin or biglycan) and (cryoprecipitate or fibronectin or vitronectin or fibrinogen or fibrillin or kistrin or echistatin or willebrand or tenascin or anchorin) and protein) and (606/151 or 623/11.11 or 623/14.12 or 623/23.72 or 623/23.75 or 623/23.76)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/04/07 16:21
S26	60	((((membrane or matrix or scaffold or sheet) with collagen) and cartilage and (proteoglycan or aggrecan or decorin or fibromodulin or biglycan) and (cryoprecipitate or fibronectin or vitronectin or fibrinogen or fibrillin or kistrin or echistatin or willebrand or tenascin or anchorin) and protein) and (606/151 or 623/11.11 or 623/14.12 or 623/23.72 or 623/23.75 or 623/23.76)	USPAT; EPO; JPO	OR	ON	2004/04/07 16:22
S27	69	623/14.12	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/04/07 16:57
S28	30	623/14.12 and @rlad<"19990728"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/04/07 16:57
S29	30	623/14.12 and @ad<"19990728"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/04/07 16:57
S30	46	(623/14.12 and @rlad<"19990728") (623/14.12 and @ad<"19990728")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/04/07 16:59

## EAST Search History

S31	31	((623/14.12 and @rlad<"19990728") (623/14.12 and @ad<"19990728")) and collagen	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/04/07 17:00
S32	155	((membrane or matrix or scaffold or sheet) with collagen) and cartilage and (proteoglycan or aggrecan or decorin or bibromodulin or biglycan) and (cryoprecipitate or fibronectin or vitronectin or fibrinogen or fibrillin or kistrin or echistatin or willebrand or tenascin or anchorin) and "RGD"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/04/08 10:51
S33	62	((membrane or matrix or scaffold or sheet) with collagen) and cartilage and (proteoglycan or aggrecan or decorin or bibromodulin or biglycan) and (cryoprecipitate or fibronectin or vitronectin or fibrinogen or fibrillin or kistrin or echistatin or willebrand or tenascin or anchorin) and "RGD"	USPAT; EPO; JPO	OR	ON	2004/04/08 10:51
S34	37	((((membrane or matrix or scaffold or sheet) with collagen) and cartilage and (proteoglycan or aggrecan or decorin or bibromodulin or biglycan) and (cryoprecipitate or fibronectin or vitronectin or fibrinogen or fibrillin or kistrin or echistatin or willebrand or tenascin or anchorin) and "RGD") and @rlad<"19990728"	USPAT; EPO; JPO	OR	ON	2004/04/08 10:52
S35	46	((((membrane or matrix or scaffold or sheet) with collagen) and cartilage and (proteoglycan or aggrecan or decorin or bibromodulin or biglycan) and (cryoprecipitate or fibronectin or vitronectin or fibrinogen or fibrillin or kistrin or echistatin or willebrand or tenascin or anchorin) and "RGD") and @ad<"19990728"	USPAT; EPO; JPO	OR	ON	2004/04/08 10:52

## EAST Search History

S36	53	(((membrane or matrix or scaffold or sheet) with collagen) and cartilage and (proteoglycan or aggrecan or decorin or fibromodulin or biglycan) and (cryoprecipitate or fibronectin or vitronectin or fibrinogen or fibrillin or kistrin or echistatin or willebrand or tenascin or anchorin) and "RGD") and @rlad<"19990728") (((membrane or matrix or scaffold or sheet) with collagen) and cartilage and (proteoglycan or aggrecan or decorin or fibromodulin or biglycan) and (cryoprecipitate or fibronectin or vitronectin or fibrinogen or fibrillin or kistrin or echistatin or willebrand or tenascin or anchorin) and "RGD") and @ad<"19990728")	USPAT; EPO; JPO	OR	ON	2004/04/08 11:07
S37	45	(((membrane or matrix or scaffold or sheet) with collagen) and cartilage and (proteoglycan or aggrecan or decorin or fibromodulin or biglycan) and (cryoprecipitate or fibronectin or vitronectin or fibrinogen or fibrillin or kistrin or echistatin or willebrand or tenascin or anchorin) and "RGD") and @rlad<"19990728") (((membrane or matrix or scaffold or sheet) with collagen) and cartilage and (proteoglycan or aggrecan or decorin or fibromodulin or biglycan) and (cryoprecipitate or fibronectin or vitronectin or fibrinogen or fibrillin or kistrin or echistatin or willebrand or tenascin or anchorin) and "RGD") and @ad<"19990728")) and ((without or devoid or no) with (cells))	USPAT; EPO; JPO	OR	ON	2004/04/08 11:17

## EAST Search History

S38	28	((((membrane or matrix or scaffold or sheet) with collagen) and cartilage and (proteoglycan or aggrecan or decorin or bibromodulin or biglycan) and (cryoprecipitate or fibronectin or vitronectin or fibrinogen or fibrillin or kistrin or echistatin or willebrand or tenascin or anchorin) and "RGD") and @rlad<"19990728") ((((membrane or matrix or scaffold or sheet) with collagen) and cartilage and (proteoglycan or aggrecan or decorin or bibromodulin or biglycan) and (cryoprecipitate or fibronectin or vitronectin or fibrinogen or fibrillin or kistrin or echistatin or willebrand or tenascin or anchorin) and "RGD") and @ad<"19990728")) and (cell with free)	USPAT; EPO; JPO	OR	ON	2004/04/08 11:23
S39	1	606/151 and collagen and "RGD" and fibronectin and cartilage	USPAT; EPO; JPO	OR	ON	2004/04/08 11:24
S40	2	623/14.12 and collagen and "RGD" and fibronectin and cartilage	USPAT; EPO; JPO	OR	ON	2004/04/08 11:26
S41	9	623/23.72 and collagen and "RGD" and fibronectin and cartilage	USPAT; EPO; JPO	OR	ON	2004/04/08 11:29
S42	1	"5759190".pn.	USPAT; EPO; JPO	OR	ON	2004/04/08 11:30
S43	603	623/1.1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 11:59
S44	140	623/1.1 and collagen	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 11:59
S45	147	623/1.1 and collagen\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 11:59
S46	98	623/1.47	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 11:59
S47	69	623/1.48	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 12:01
S48	462	623/23.72	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 11:59

## EAST Search History

S49	191	623/23.76	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 12:00
S50	65	(623/15.11 or 623/15.12) and collagen\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 12:19
S51	57	623/14.12 and collagen\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 12:01
S52	138	623/1.47 or 623/1.48	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 12:07
S53	70	(623/1.47 or 623/1.48) and collagen and protein	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 12:07
S54	16	(623/1.47 or 623/1.48) and collagen and protein and cartilage	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 12:07
S55	49	(623/15.11 or 623/15.12) and collagen\$3 and (protein or protien)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 12:19
S56	11	(623/15.11 or 623/15.12) and collagen\$3 and (protein or protien) and cartilage	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 12:22
S57	1796	"collagen type I" and membrane and protein	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 12:23
S58	187	(collagen with type with I with membrane) and (collagen with protein)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 12:24
S59	94	(collagen with type with I with membrane) and (collagen with protein) and cartilage	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 12:24
S60	69	(collagen with type with I with membrane) and (collagen with protein) and cartilage and (implant or prosthesis or prosthetic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 13:04
S61	1	"6193745".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/10/28 13:04
S62	308	collagen and (RGD adj motif)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/07/14 15:25
S63	14	collagen and ("Arg-Gly-Asp" adj motif)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/07/14 15:26



## EAST Search History

S64	3291	("collagen I" or "collagen Type I")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/07/18 14:20
S65	6562	("collagen I" or "collagen Type I" or (collagen with type with I))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/07/18 14:20
S66	3318	("collagen I" or "collagen Type I" or (collagen with type with I)) and (fibronectin or fibrinogen or vitronectin)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/07/18 14:21
S67	1607	("collagen I" or "collagen Type I" or (collagen with type with I)) and (fibronectin or fibrinogen or vitronectin) and (cartilage or chondroblast or chondrocyte)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/07/18 14:27
S68	721	S67 and @rlad<"19990728"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/07/18 14:27
S69	427	S67 and @ad<"19990728"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/07/18 14:27
S70	885	S68 S69	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/07/18 14:44
S71	1	"5876452".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/07/18 14:44
S72	1475	606/151.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 15:49
S73	3201	606/151	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 15:49
S74	3349	S72 S73	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 15:49
S75	67	S74 and ((bone or cartilage or tissue) with (defect or void or cavity)) and suspension	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 15:51
S76	47	S75 and @rlad<"20020125"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 15:51
S77	47	S75 and @ad<"20020125"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 15:51

## EAST Search History

S78	61	S76 S77	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 16:02
S79	565	(623/23.72 or 623/23.76).ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 16:04
S80	210	S79 and @rlad<"19990728"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 16:04
S81	220	S79 and @ad<"19990728"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 16:04
S82	315	S80 S81	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 16:45
S83	357	623/16.11.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 16:46
S84	555	623/16.11	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 16:46
S85	729	S83 S84	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 16:46
S86	183	S85 and @rlad<"19990728"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 16:46
S87	222	S85 and @ad<"19990728"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 16:46
S88	329	S86 S87	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:02
S89	114	623/17.12.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:03
S90	224	623/17.12	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:03
S91	277	S89 S90	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:03
S92	41	S91 and @rlad<"19990828"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:03

## EAST Search History

S93	37	S91 and @ad<"19990828"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:03
S94	62	S92 S93	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:10
S95	7	S94 and (fibrinogen or fibronectin or vitronectin or proteoglycan)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:12
S96	2048	623/17.\$2.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:12
S97	123	S96 and (fibrinogen or fibronectin or vitronectin or proteoglycan)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:12
S98	56	S96 and (fibrinogen or fibronectin or vitronectin or proteoglycan) and chondrocyte	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:15
S99	7	S98 and @rlad<"19990828"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:13
S10 0	4	S98 and @rlad<"19990728"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:13
S10 1	1	S98 and @ad<"19990728"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:13
S10 2	5	S100 S101	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:13
S10 3	123	S96 and (fibrinogen or fibronectin or vitronectin or proteoglycan)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:15
S10 4	17	S103 and @rlad<"19990728"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:15
S10 5	13	S103 and @ad<"19990728"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:15
S10 6	22	S104 S105	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/18 17:26
S10 7	1	"6378527".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/20 12:46

## EAST Search History

S10 8	90	623/14.12.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/20 12:46
S10 9	68	623/14.12	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/20 12:46
S11 0	116	S108 S109	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/20 12:50
S11 1	43	S110 and @rlad<"19990728"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/20 12:50
S11 2	30	S110 and @ad<"19990728"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/20 12:50
S11 3	59	S111 S112	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/20 18:31